

Method and apparatus for the treatment of solutions by reverse osmosis.

Publication number: EP0126714

Publication date: 1984-11-28

Inventor: UEBERSAX HEINZ (CH)

Applicant: CHRIST AG (CH)

Classification:

- International: B01D61/02; B01D61/10; B01D61/12; B01D65/02; B01D65/06; C02F1/44; B01D61/02; B01D65/00; C02F1/44; (IPC1-7): B01D13/00; C02F1/44

- European: B01D13/00D12

Application number: EP19840810237 19840515

Priority number(s): CH19830002789 19830520

Also published as:

JP60000805 (A)
EP0126714 (A3)
CH673275 (A5)

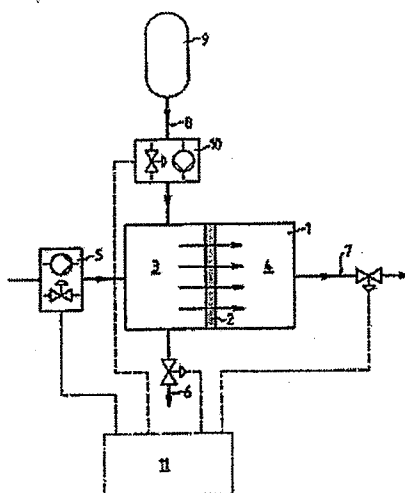
Cited documents:

US4341629
US3493495
US3992301
GB1119972
US3846295
more >>

Report a data error here

Abstract of EP0126714

During the separation of a solution by reverse osmosis, precipitations and depositions of soluble materials arising on the side of the concentrated solution are allowed during a process phase of predetermined length, and the precipitates and deposits then present are largely redissolved in a flushing phase by flushing with a flushing solution. This method makes it possible to prevent a permanent deposition of such materials in the reverse osmosis elements, without having to use chemicals for this purpose. The apparatus for implementing this method includes a flushing line arrangement (8) for introducing the flushing solution during the flushing phase from a stock (9) into the chamber (3), receiving the solute-containing solution, of a reverse osmosis installation. A delivery and metering unit (10) is provided for metering the rate and pressure of the flushing solution. A control and regulation system (11) serves for activating the various delivery and control means and hence for switching over from one process phase to the particular flushing phase.



Data supplied from the esp@cenet database - Worldwide